



An Energy Efficiency Workshop & Exposition

Palm Springs, California

Sustainable Building Design

Workplace Standards – Air Quality/Ergonomics

June 6, 2002 – 4:00 – 5:30 p.m.

www.energy2000.ee.doe.gov



Session Purpose

- Share information on research guidelines and practices related to indoor environmental quality:
 - Thermal comfort
 - Noise/acoustics
 - Lighting
 - Air quality
 - HVAC systems



Session Format

- Work of NRC/FFC – Ms. Lynda Stanley, NRC
- IEQ & Health: Current Research Findings and the NORA IEQ Research Agenda – Dr. Mark Mendell, NIOSH
- HVAC System Alternatives – Dr. Paul Jensen, NIOSH
- Questions



What is the National Research Council?

- Operating agency of the National Academy of Sciences, National Academy of Engineering, and Institute of Medicine
- NAS established in 1863 to:
 - “investigate, examine, experiment, and report upon any subject of science or art,” whenever called upon by any department of the government.



What is the National Research Council? (cont'd)

- IOM mission: to advance and disseminate scientific knowledge to improve human health
- NRC mission today: to provide independent, objective advice to government on issues of science and technology
- 400 studies ongoing at any one time



Studies Related to Indoor Environmental Quality



- Indoor Pollutants (1981)
- Indoor Allergens: Assessing & Controlling Adverse Health Effects (1993)
- Documenting Relationships Between the Workplace Environment & Worker Productivity (1998)
- Risk Assessment of Radon in Drinking Water (1999)
- Health Effects of Exposure to Radon (1999)
- Clearing the Air: Asthma and Indoor Air Exposures (2000)



What is the Federal Facilities Council?

- A cooperative association of federal agencies having interests and responsibilities related to all aspects of federal facility design, construction, procurement, operation, administration, maintenance and management.
 - Established in 1953
 - Sponsored by 23 federal agencies
 - Liaisons with industry organizations



FFC Mission

Identify and advance technologies, processes and management practices that improve the planning, design, construction, maintenance, management, operation, and evaluation of federal facilities.



FFC Mission

FFC fulfills its mission through:

- Networking among agencies and industry liaisons
- Leveraging funding for studies and other information activities.



FFC SPONSOR AGENCIES

- | | |
|--|--|
| □ Air Force, Office of the Civil Engineer | □ International Broadcasting Bureau |
| □ Air National Guard | □ National Aeronautics and Space Administration |
| □ Army, Assistant Chief of Staff for Installation Management | □ National Institute of Standards and Technology |
| □ Army Corps of Engineers | □ National Institutes of Health |
| □ Department of Commerce, Office of Real Estate | □ National Science Foundation |
| □ Department of Energy | □ Naval Facilities Engineering Command |
| □ Department of the Interior | □ Pentagon Energy Office |
| □ Department of State | □ Smithsonian Institution |
| □ Department of Veterans Affairs | □ U.S. Coast Guard |
| □ Federal Aviation Administration | □ U.S. Postal Service |
| □ Food and Drug Administration | |
| □ General Services Administration | |
| □ Indian Health Service | |



FFC Indoor Environmental Quality Activities



- Changing the Federal Workplace: Integrating People, Buildings and Technologies Conference (1999)



- Sustainable Federal Facilities – implementing principles of Executive Order 13123

- Learning from Our Buildings: A State of the Practice Summary of Post Occupancy Evaluation



FFC 2002 Activity

- Implementing Health Protective Features and Practices in Work Places
 - Hope to build upon a finding of National Occupational Research Agenda



Find Out More About Us





Contact

Lynda Stanley
Executive Director
Federal Facilities Council
phone: (202) 334-3374
fax: (202) 334-3370
email: lstanley@nas.edu